

ACN System News

Calspan, an Operation of Veridian

Summer 1998

ACN Test Extended!

Hello ACN Volunteer!

Some time ago, Automated Collision Notification (ACN) equipment was installed in your vehicle as part of the research program **Calspan, an Operation of Veridian**, is conducting in Western New York for the **U.S. Department of Transportation National Highway Traffic Safety Administration (NHTSA)**. Since then, much has happened in the test program:

- **The ACN test has been extended in Western New York for another year!**

As a participant in this test, your service with CellularOne will automatically continue--no further action is required on your part. We would greatly appreciate your continued involvement. See our handy ACN User Guide included inside.

- **CellularOne will continue to support the test.** CellularOne Buffalo continues to support the ACN program by installing equipment and providing wireless service.
- **Over 500 ACN systems have been installed since last September.** While we appreciate this response, we are still looking for another 500 volunteers. If you know anyone who would be interested in participating in the program, please use the inserted application form or call Calspan at (716) 631-4111.
- **There have been eight reported collisions.** The system worked as intended in all of the accidents except one which occurred outside of the test area (in Chicago, Illinois).



Crash Locations. The system worked as intended in all of the WNY accidents (locations shown by ●)

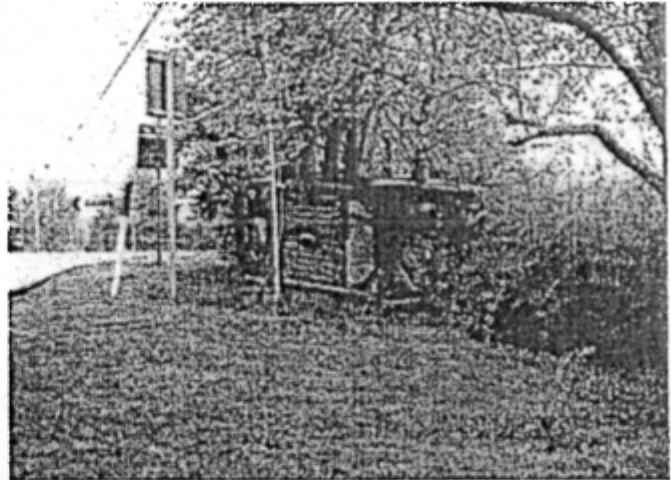
The ACN Team:

Calspan, an Operation of Veridian; CellularOne; National Highway Traffic Safety Administration; Erie County Sheriff's Department; Erie County Medical Center; Datumtech; New York State Department of Transportation

In one of these accidents, the driver rolled his car on a rural road late at night (see photo at right) and found that he was glad to have an ACN in his car: "I got the belt unbuckled and started moving around and someone was talking to me over the telephone. It was a dispatcher from 911. (The dispatcher) asked if everyone was O.K. That made me feel very secure because, once I heard the voice talking to me, I knew I didn't have to panic anymore and I realized people were on the way to help me."



Damage to an ACN-equipped Plymouth Voyager



An ACN helped emergency services personnel locate this Chevy Cavalier on a rural highway in Erie County late at night.

In another crash, emergency medical services personnel, alerted by the ACN, dispatched 3 ambulances to the accident scene involving this Plymouth Voyager (see photo at left).

- **Calspan is taking steps to rectify previous billing problems.**

Thank you for your patience while we address a few problems concerning test calls made in the "roam" mode.

- **The program has had significant media coverage.**

Segments on the ACN have appeared on ABC's "Good Morning America" program, various radio programs, and the local news, in addition to articles in national magazines and newspapers.



"Good Morning America" crew filming a simulated ACN crash

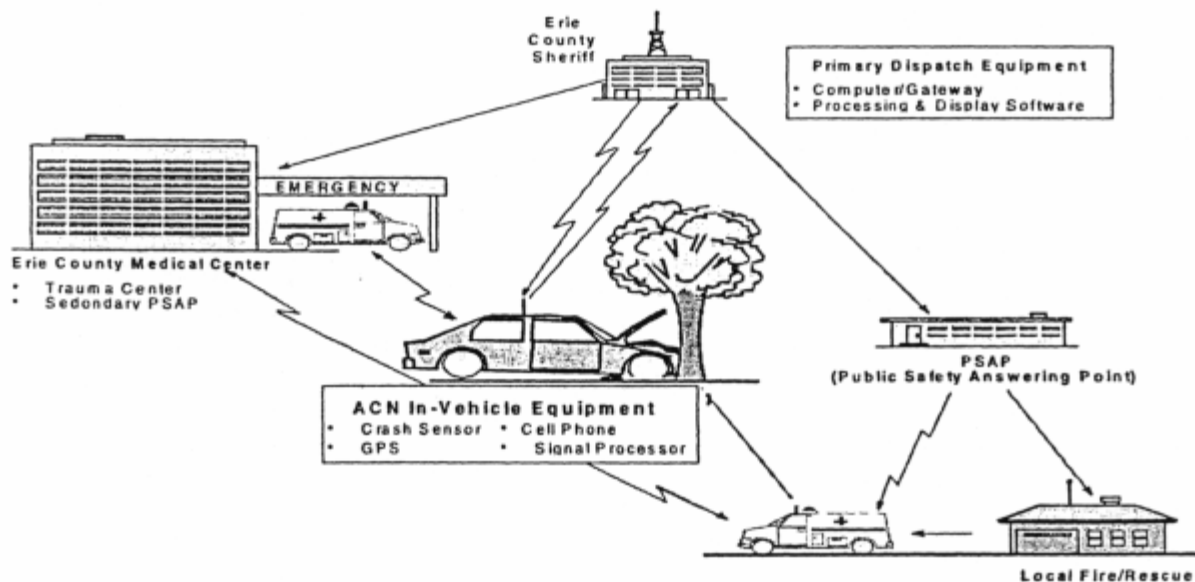


Attending the "Good Morning America" filming are (left to right). Erie County Sheriff Pat Gallivan, Congressman Jack Quinn, NHTSA Head Rick Martinez, Calspan General Manager Jack Wagner

- Due to the successful experience gained in the ACN test, the program may be tested nationwide. A bill is currently before Congress which, if passed, may provide funding for expansion of the program to test the feasibility of providing automated collision notification services across the United States.

How the ACN System Works.

After a vehicle crashes, collision location, direction, and severity information is automatically transmitted by the ACN to the Erie County Sheriff Department dispatcher and relayed to appropriate emergency services personnel.



Thank you for helping support this important program.

If you know anyone who would be interested in participating in this program, or if you have any questions or comments, please contact Calspan at (716) 631-4111; write to ACN Test, Calspan Corporation, P.O. Box 400, 4455 Genesee Street, Buffalo, New York, 14225; or visit the ACN website at <http://www.calspan.com/acn.html>.

Eye on History

During the early 1950s, engineers at Cornell Aeronautical Laboratory (later to become Calspan) used this crash simulation device to study the motions of articulated dummies, dubbed "Thick Man" and "Half Pint." A specially designed crash snubbing device brought this 1950 car to a sudden stop, as in a crash, with the use of cables.

Pioneering auto safety research in the mid-1950s included evaluation of padding materials for use in cars; development of safety door locks; and development of an auto seat-belt kit, which was manufactured and marketed by an industrial concern. At this time, the Laboratory's background in aircraft stability and control was applied to research on handling characteristics of cars, and a tire test, developed for the Air Force, was used to test tires for many commercial tire makers.

Forty-five years ago, the company used this crash simulator to study occupant motion during accidents.

Calspan

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